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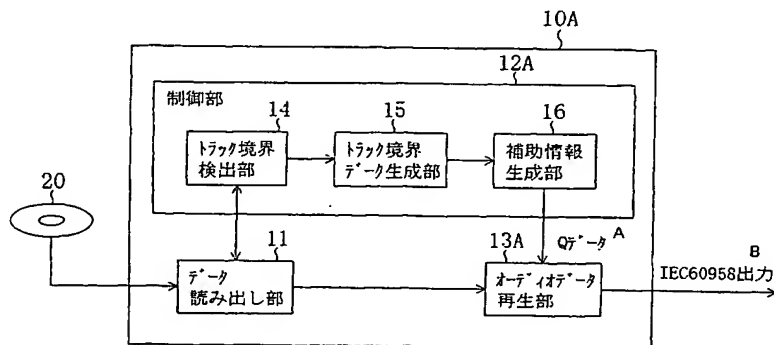
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- (51) 国際特許分類<sup>7</sup>: G11B 20/10 (72) 発明者; および  
(21) 国際出願番号: PCT/JP2004/010995 (75) 発明者/出願人 (米国についてのみ): 直田 清吾 (SUG-  
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[続葉有]

(54) Title: DIGITAL AUDIO DEVICE AND AUDIO DATA OUTPUT METHOD

(54) 発明の名称: デジタルオーディオ装置およびオーディオデータ出力方法



12A...CONTROL SECTION  
14...TRACK BOUNDARY DETECTION SECTION  
15...TRACK BOUNDARY DATA GENERATION SECTION  
16...AUXILIARY INFORMATION GENERATION SECTION  
11...DATA READ OUT SECTION  
13A...AUDIO DATA REPRODUCTION SECTION  
A...Q DATA  
B...OUTPUT

(57) Abstract: For a digital audio device outputting information recorded on a recording medium such as a DVD as audio data based on a predetermined specification, a device connected to the digital audio device generates audio data capable of distinguishing an audio track boundary. The digital audio device (10A) includes: a track boundary detection section (14) for detecting an audio track boundary from the information read out from the recording medium (20); a track boundary data generation section (15) for generating track boundary data indicating an audio track boundary detected; an auxiliary information generation section (16) for generating auxiliary information by adding a control code based on a predetermined specification to the track boundary data generated. An audio data reproduction section (13A) superimposes the auxiliary information on the audio data reproduced from the recording medium (20) and outputs it.

(57) 要約: DVDなどの記録媒体に記録された情報を所定の規格に準拠したオーディオデータとして出力するデジタルオーディオ装置について、当該デジタルオーディオ装置に接続された機器側においてオーディオトラック境界の識別が可能となるようなオーディオデータを生成する。デジタルオーディオ装置 (10)

[続葉有]



SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US,  
UZ, VC, VN, YU, ZA, ZM, ZW.

BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN,  
TD, TG).

- (84) 指定国(表示のない限り、全ての種類の広域保護が可能): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), ユーラシア (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), ヨーロッパ (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF,

添付公開書類:

— 国際調査報告書

2文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイダンスノート」を参照。

A) は、記録媒体(20)から読み出された情報からオーディオトラック境界を検出するトラック境界検出部(14)と、検出されたオーディオトラック境界を示すトラック境界データを生成するトラック境界データ生成部(15)と、生成されたトラック境界データに所定の規格に準拠した制御コードを付加して補助情報を生成する補助情報生成部(16)とを備えている。オーディオデータ再生部(13A)は、記録媒体(20)から再生したオーディオデータに当該補助情報を重畳して出力する。

## PATENT COOPERATION TREATY

PCT

NOTIFICATION OF RECEIPT OF  
RECORD COPY

(PCT Rule 24.2(a))

From the INTERNATIONAL BUREAU

To:

MAEDA, Hiroshi  
Osaka-Marubeni Bldg.  
5-7, Hommachi 2-chome  
Chuo-ku, Osaka-shi  
Osaka 5410053  
Japan

**RECEIVED**

OCT. 04. 2004

Date of mailing (day/month/year) 31 August 2004 (31.08.2004)	<b>MAEDA PATENT OFFICE</b> IMPORTANT NOTIFICATION
Applicant's or agent's file reference M04-MT077CT1	International application No. PCT/JP2004/010995

The applicant is hereby notified that the International Bureau has received the record copy of the international application as detailed below.

Name(s) of the applicant(s) and State(s) for which they are applicants:

**MATSUSHITA ELECTRIC INDUSTRIAL CO.,LTD. (for all designated States except US)**  
**SUGUTA, Seigo et al (for US)**

International filing date : 26 July 2004 (26.07.2004)  
Priority date(s) claimed : 19 August 2003 (19.08.2003)  
Date of receipt of the record copy  
by the International Bureau : 12 August 2004 (12.08.2004)  
List of designated Offices :

AP : BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW  
EA : AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
EP : AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR  
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<p>The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland</p> <p>Facsimile No. (41-22) 338.70.10</p>	<p>Authorized officer:</p> <p>Alexia SAPIN (Fax 338 7010)</p> <p>Telephone No. (41-22) 338 8439</p>
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## Continuation of Form PCT/IB/301

## NOTIFICATION OF RECEIPT OF RECORD COPY

Date of mailing (day/month/year) 31 August 2004 (31.08.2004)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference M04-MT077CT1	International application No. PCT/JP2004/010995

**ATTENTION**

The applicant should carefully check the data appearing in this Notification. In case of any discrepancy between these data and the indications in the international application, the applicant should immediately inform the International Bureau.

In addition, the applicant's attention is drawn to the information contained in the Annex, relating to:

- ☒ time limits for entry into the national phase - see updated important information (as of April 2002)
- ☒ requirements regarding priority documents (if applicable)

A copy of this Notification is being sent to the receiving Office and to the International Searching Authority.

**INFORMATION ON TIME LIMITS FOR ENTERING THE NATIONAL PHASE**

The applicant is reminded that the "national phase" must be entered before each of the designated Offices indicated on the cover sheet of this Notification by paying national fees and furnishing translations, as prescribed by Articles 22 and 39 and the applicable national laws. In addition, the applicant may also have to comply with other special requirements applicable in certain Offices. It is the applicant's responsibility to ensure the necessary steps to enter the national phase are taken in a timely fashion. Most Offices do not issue reminders to applicants in connection with the entry into the national phase.

The applicable time limit for entering the national phase will, subject to what is said in the following paragraph, be **30 MONTHS** from the priority date, not only in respect of any elected Office if a demand for international preliminary examination is filed before the expiration of 19 months from the priority date (see Article 39(1)), but also in respect of any designated Office, in the absence of filing of such demand, where Article 22(1) as modified with effect from 1 April 2002 applies in respect of that designated Office. For further details, see PCT Gazette No. 44/2001 of 1 November 2001, pages 19926, 19932 and 19934, as well as the PCT Newsletter, October and November 2001 and February 2002 issues.

In practice, time limits other than the 30-month time limit will continue to apply, for various periods of time, in respect of certain designated or elected Offices. For regular updates on the applicable time limits (20, 21, 30 or 31 months, or other time limit), Office by Office, refer to the PCT Gazette ("Section IV" part published on a weekly basis), to the PCT Newsletter (on a monthly basis) and to the relevant National Chapters in Volume II of the PCT Applicant's Guide (the paper version of which is updated usually twice a year and the Internet version of which is updated usually on a weekly basis). Finally, a cumulative table of all applicable time limits for entering the national phase is available from WIPO's Internet site, via links from various pages the site including those of the Gazette, Newsletter and Guide, at <http://www.wipo.int/pct/en/index.html>.

Information about the requirements for filing a demand for international preliminary examination is set out in the PCT Applicant's Guide, Volume I/A, Chapter IX. Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination (at present, all PCT Contracting States are bound by Chapter II).

**REQUIREMENTS REGARDING PRIORITY DOCUMENTS**

For applicants who have not yet complied with the requirements regarding priority documents, the following is recalled.

Where the priority of an earlier national, regional or international application is claimed, the applicant must submit a copy of the said earlier application, certified by the authority with which it was filed ("the priority document") to the receiving Office (which will transmit it to the International Bureau) or directly to the International Bureau, before the expiration of 16 months from the priority date, provided that any such priority document may still be submitted to the International Bureau before that date of international publication of the international application, in which case that document will be considered to have been received by the International Bureau on the last day of the 16-month time limit (Rule 17.1(a)).

Where the priority document is issued by the receiving Office, the applicant may, instead of submitting the priority document, request the receiving Office to prepare and transmit the priority document to the International Bureau. Such request must be made before the expiration of the 16-month time limit and may be subjected by the receiving Office to the payment of a fee (Rule 17.1(b)).

If the priority document concerned is not submitted to the International Bureau or if the request to the receiving Office to prepare and transmit the priority document has not been made (and the corresponding fee, if any, paid) within the applicable time limit indicated under the preceding paragraphs, any designated State may disregard the priority claim, provided that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within the time limit which is reasonable under the circumstances (Rule 17.1(c)).

Where several priorities are claimed, the priority date to be considered for the purposes of computing the 16-month time limit (and all other PCT time limits) is the filing date of the earliest application whose priority is claimed (Article 2(xi)(b)).